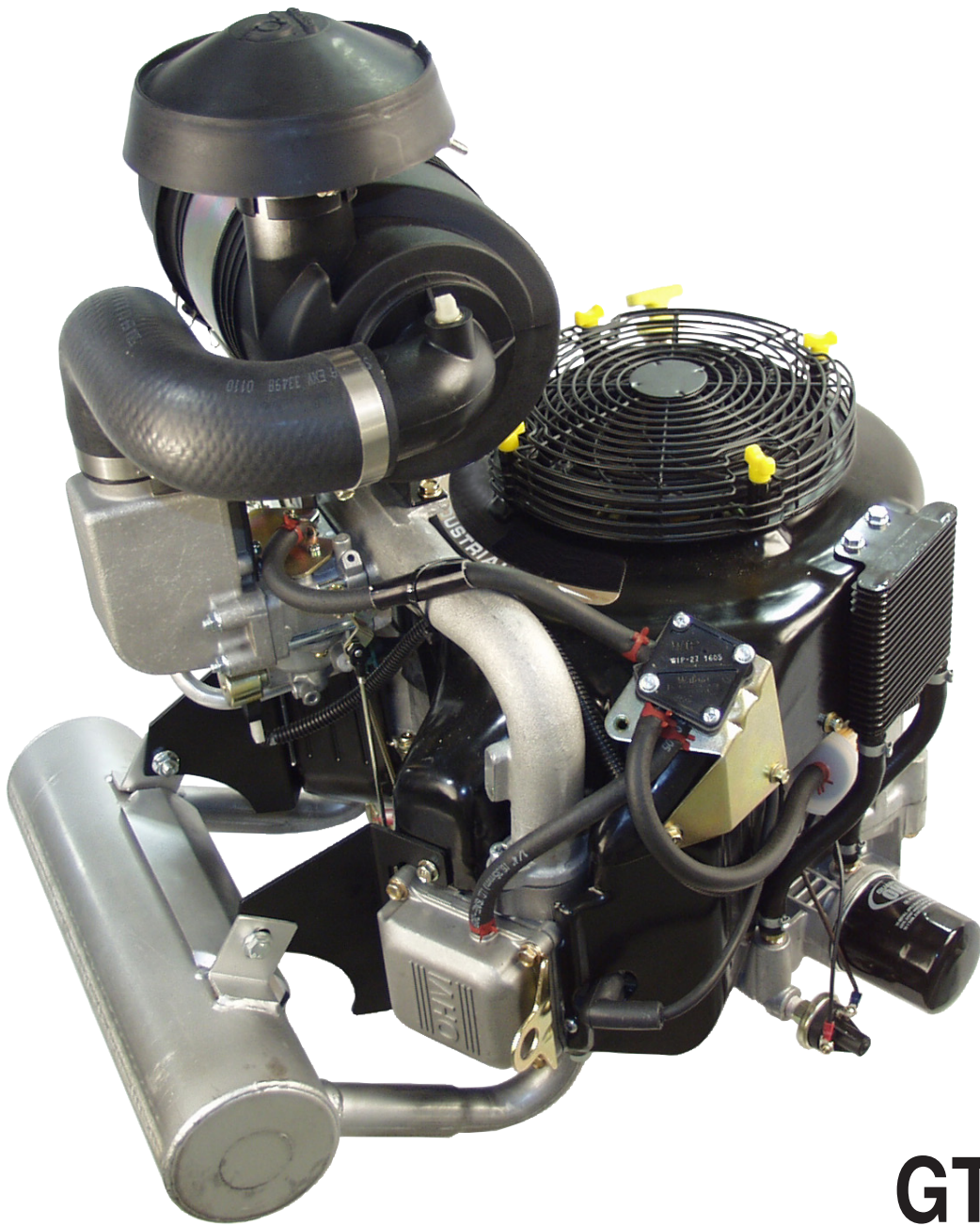


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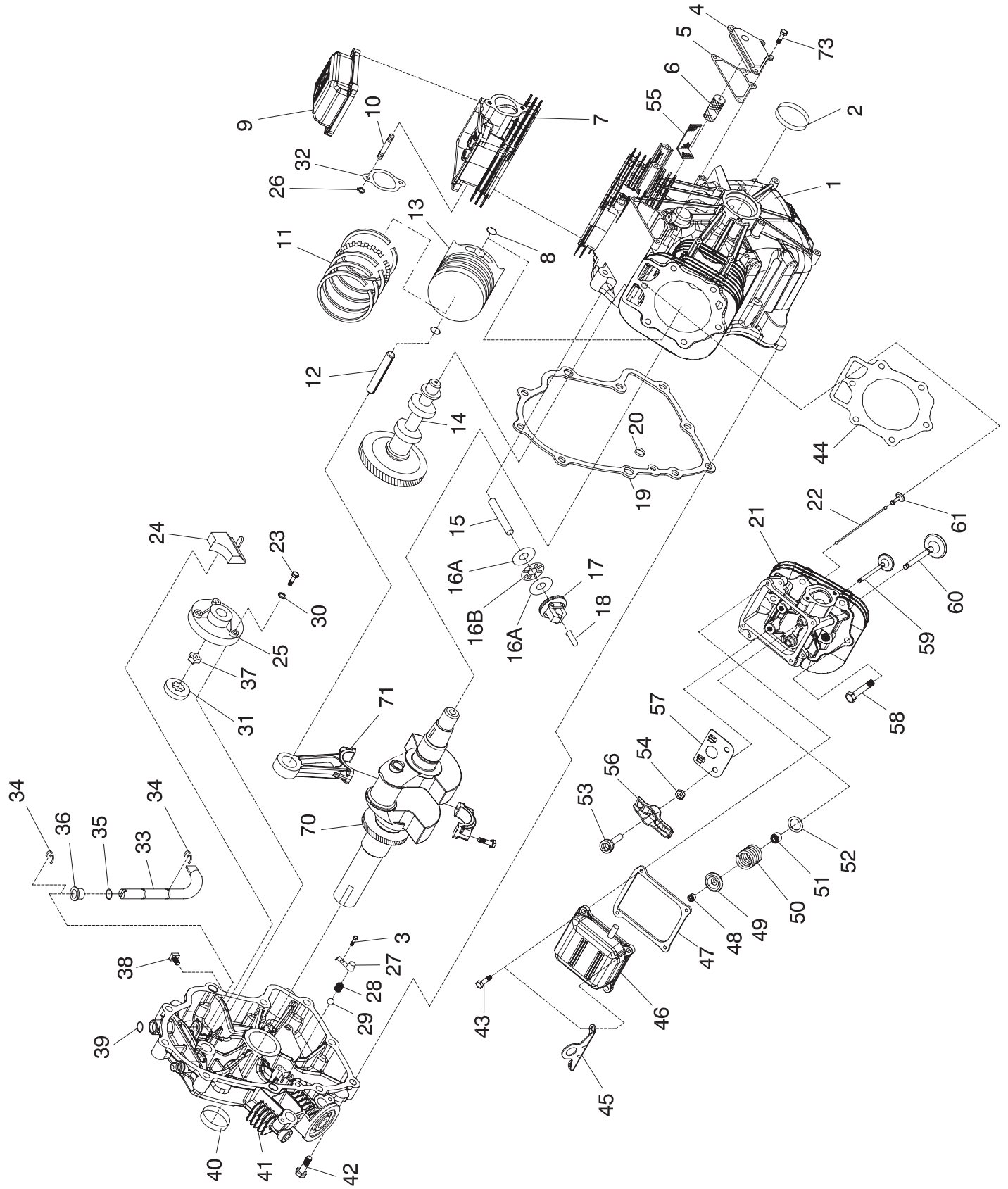
POWER SYSTEMS, INC.

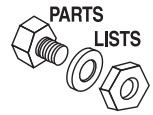


GTV990

Engine Parts Manual

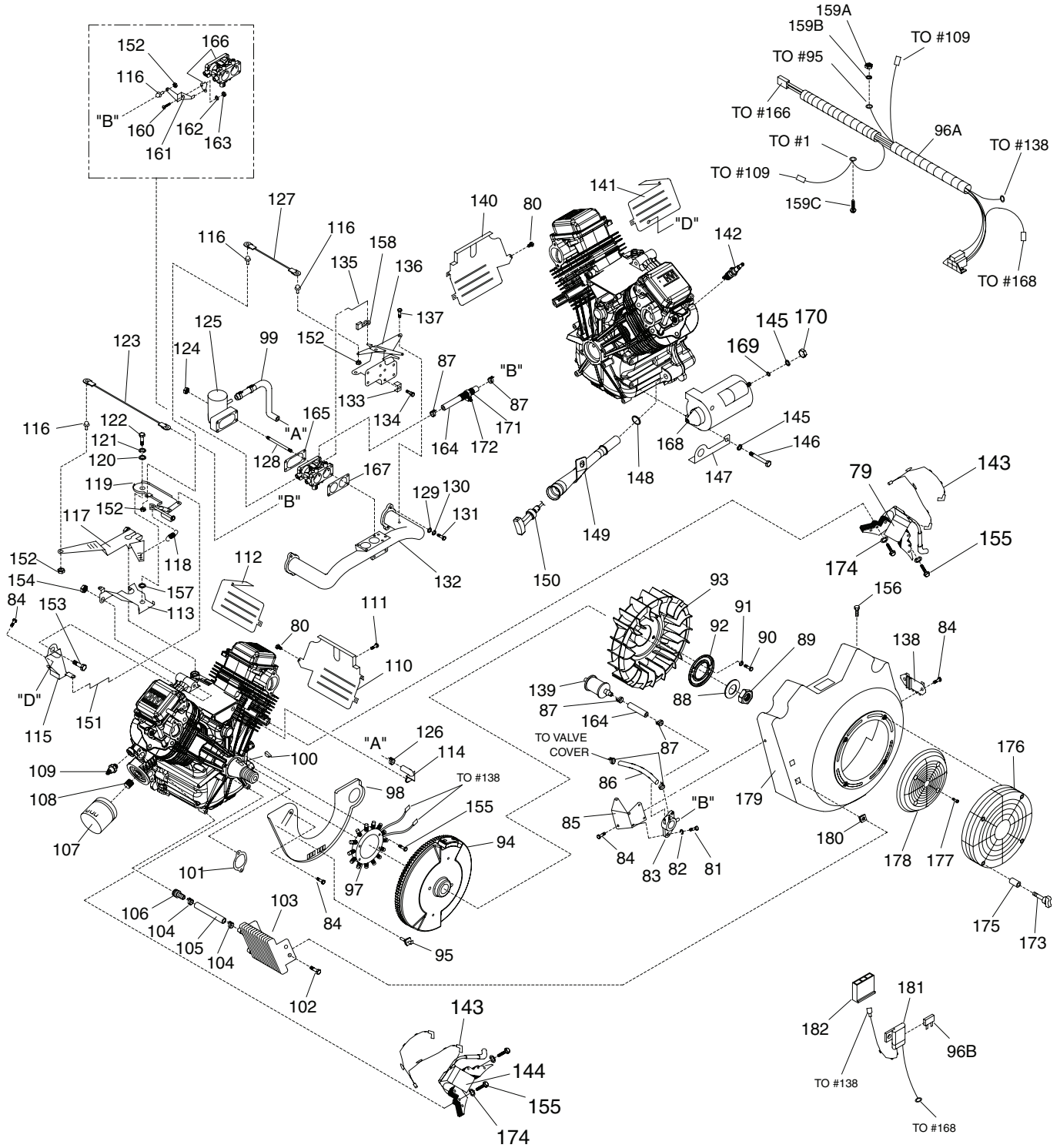
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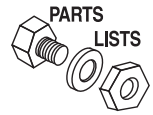




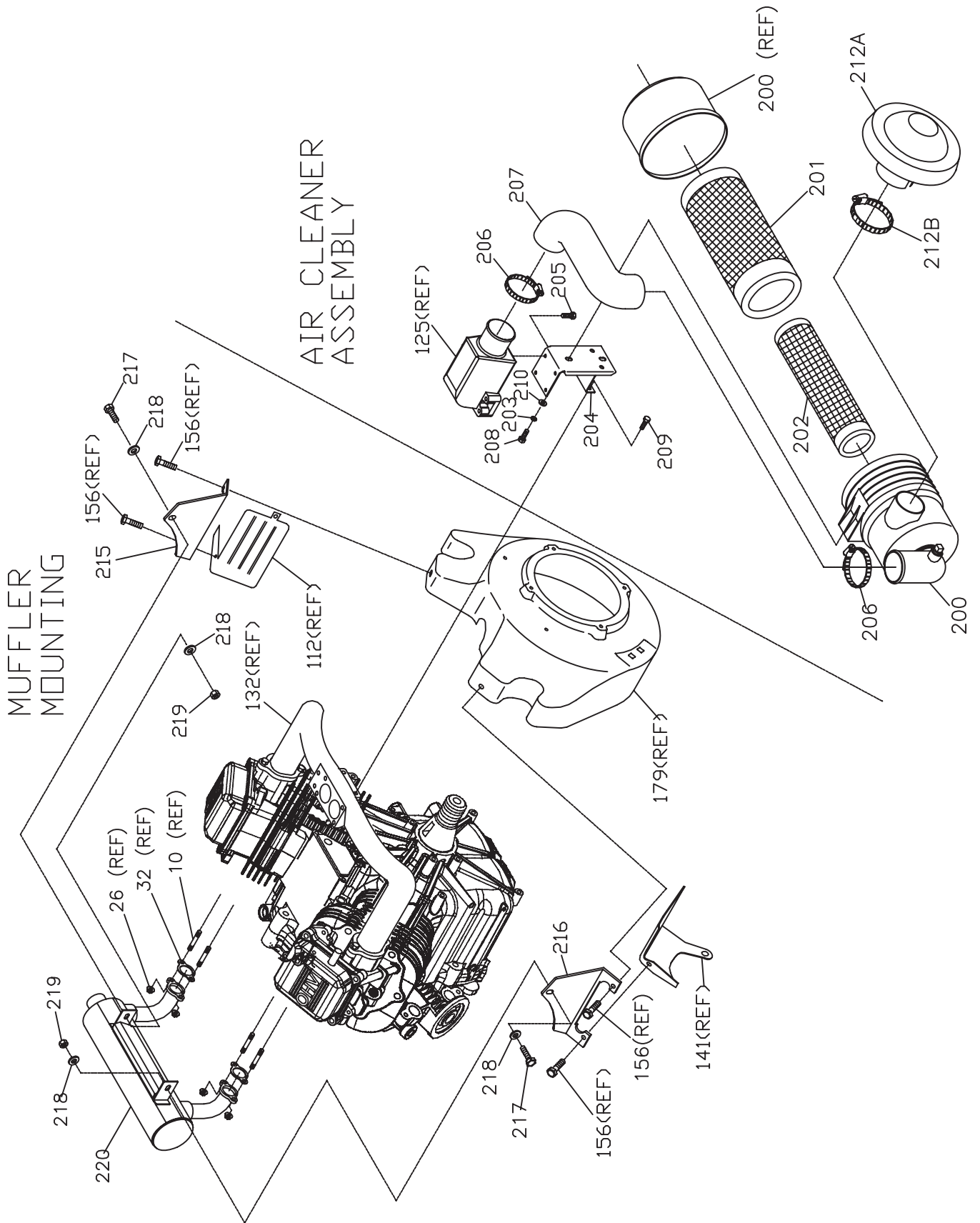
ITEM	PART NO.	QTY.	DESCRIPTION	ITEM	PART NO.	QTY.	DESCRIPTION
1	0C5730B	1	ASSY,CRANKCASE VS W/SLEEVE	38	0D4788	1	PLUG, DRAIN
2	0E9843	1	SEAL, 38 I.D. CRANKSHAFT	39	0C2993	1	SEAL, GOVERNOR SHAFT
3	090388	2	SCREW, HHTT M6-1.0 X 12 YC	40	0E9842	1	SEAL, 42 I.D. CRANKSHAFT
4	0C5372	1	ASSEMBLY, BREATHER	41	0C57320SRV	1	ASSEMBLY, SUMP WITH SLEEVE
5	0C3005	1	GASKET, BREATHER COVER	42	0C3006	9	SCREW, HHFC M10-1.5 X 55
6	0E3372A	1	SEPARATOR, OIL BREATHER GTV	43	080318	8	SCREW HHFC M6-1.0 X 25
7	0D8067A	1	ASSEMBLY, HEAD #1	44	0C2978	2	GASKET, HEAD
8	071983	4	RETAINER, PISTON PIN 20	45	0C8808	1	HOOK, LIFTING
9	0C2981C	1	ROCKER, COVER NO OIL FILL	46	0D7477A	1	ASSEMBLY, ROCKER COVER W/ BARB FOR PULSE
10	045761A	4	STUD M8-1.25/10MM X 30 G5 ZINC	47	0C2979	2	GASKET, VALVE COVER
11	0215330SRV	2	SET, PISTON RING 90MM	48	086515	4	KEEPER, VALVE SPRING (SET OF 2)
12	0E1466	2	PIN, PISTON 20 DIA X 48 L	49	0D2274	4	RETAINER, VALVE SPRING
13	0E2950	2	PISTON DISH TOP DIA 90	50	0D3867	4	SPRING, VALVE
14	0D4041	1	ASSEMBLY, CAMSHAFT & GEAR	51	078672	2	SEAL, VALVE STEM D7
15	0C2983	1	SHAFT, GOVERNOR	52	0C5371	4	WASHER, VALVE SPRING
16A	0C2985A	2	ROLLER BEARING, GOVERNOR PLATE	53	072694	4	STUD, ROCKER ARM PIVOT
16B	0C2985B	1	ROLLER BEARING, GOVERNOR	54	0D3998	4	NUT, HEX M8-1.0 G8 YEL CHR
17	0E2743	1	ASSEMBLY,GOVERNOR GEAR	55	0E3273	1	SCREEN C'CASE BREATHER GTV
18	0A7811	1	SPOOL, GOVERNOR MACHINED	56	0D5313	4	ROCKER ARM
19	0C2977	1	GASKET, CRANK CASE	57	0D6024	2	PLATE, PUSH ROD GUIDE
20	0C5943	1	SEAL, OIL PASSAGE	58	0C2976	12	SCREW HHFC M8-1.25 X 65
21	0D8067B	1	ASSEMBLY, HEAD #2	59	086516	2	VALVE, EXHAUST
22	0D9853D	4	PUSHROD, 147	60	0C2229	2	VALVE, INTAKE
23	021374	3	SCREW SHC M6-1.0 X 30 G8.8	61	083897	4	TAPPET, SOLID
24	0C2994	1	SCREEN, OIL PICKUP	*62	0D40150SRV	1	KIT, OIL RELIEF
25	0C2997	1	COVER, GEROTOR	*63	0D94190SRV	1	KIT, SUMP
26	0F0462	4	NUT W/TOOTH WSHR M8-1.25	*64	0E9422AESV	1	KIT, GASKET
27	0C3011	2	COVER, OIL RELIEF	*65	0E29500SRV	1	KIT, PISTON & RINGS
28	0C3009	2	SPRING, OIL RELIEF	*66	0E43550SRV	1	KIT, BREATHER ASSY GTV
29	0C3010	2	BALL, 1/2D OIL RELIEF	*67	0E27430SRV	1	KIT, GOVERNOR ASSEMBLY
30	093873	3	WASHER, LOCK RIB M6	*68	0D8675ASRV	1	KIT, HEAD ASSEMBLY CYLINDER 1
31	0C2996	1	GEROTOR, OUTER	*69	0D8675BSRV	1	KIT, HEAD ASSEMBLY CYLINDER 2
32	0C4138	2	GASKET, EXHAUST	70	0E4357J	1	ASSY C'SHAFT & GEAR 100MM
33	0D1667	1	ARM, GOVERNOR	71	0E3223	2	CONNECTING ROD
34	0C2991	2	E-RING, GOVERNOR ARM	73	0D6147	4	SCREW, HHFC M6-1.0 X 10mm
35	0C2988	1	THRUST WASHER, GOVERNOR				
36	0C2992	1	BUSHING, GOVERNOR LOWER				
37	0C2995	1	GEROTOR, INNER				

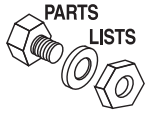
* See Back Cover for Itemized Kits.





ITEM	PART NO.	QTY.	DESCRIPTION	ITEM	PART NO.	QTY.	DESCRIPTION
79	0E7743	1	ASSY, IGNITION COIL 270mm CYLINDER 1	132	0E3052	1	MANIFOLD,INTAKE VERT 2BBL CARB
80	0D6147	2	SCREW, HHFC M6-1.0 X 10mm	133	0E4190	4	CLAMP, 3/16" COATED CABLE
81	047411	2	SCREW, HHC M6-1.0 X 16	134	0F5579	4	SCREW, HHC W/SHLDR M5-0.8 X 20
82	022097	2	WASHER, LOCK M6	135	0D8559	1	ROD, CHOKE
83	0F6263	1	PUMP, IMPULSE	136	0D7237	1	ASSY, BELDEN BRACKET W/ BELLCRANK
84	045756	21	SCREW, HHTT M6-1.0X 10 YC	137	0E5139	3	SCREW HHFC M6-1.0 X 8mm
85	0D6027	1	BRACKET, FUEL PUMP	138	0A2702	1	REGULATOR, 20 AMP
86	030340P	1	HOSE 1/4" ID X 7" LONG	139	0F0106	1	FILTER, FUEL
87	048031C	6	CLAMP HOSE BAND 1/4	140	0D1142A	1	WRAPPER, LOWER CYLINDER 2
88	0C3033	1	WASHER, M24	141	0D1143	1	WRAPPER, UPPER CYLINDER 2
89	0C3034	1	NUT,HEX M24	142	0E6037	2	SPARKPLUG NGK #BKR4E
90	048571	2	SCREW, HHC M8-1.25 X 10 G8.8	143	0F1177	1	ASSEMBLY, GROUND WIRE
91	0A5992	2	WASHER, SHAKEPROOF INT M8 SS	144	0C3052	1	ASSY, IGNITION COIL GV-990 CYLINDER 2
92	0C3032	1	PLATE, FAN	145	022129	3	WASHER, LOCK M8-5/16
93	0C3031	1	FAN, NYLON	146	061906	2	SCREW, HHC M8-1.25 X 85 G8.8
94	0C9182	1	FLYWHEEL ASSEMBLY W/ L.C. MAGNETS	147	0D6026	1	LIFT HOOK, STARTER
95	0E4997	1	CONNECTOR, GROUND WIRE	148	090072	1	O-RING, OIL CLR
96A	0F0911	1	VS WIRE HARNESS	149	0D6655	1	TUBE, DIPSTICK
96B	0E7237	1	30 AMP FUSE	150	0C8434C	1	ASSEMBLY, DIPSTICK W/ HANDLE
97	0F1153B	1	STATOR, OUTLINE W/ LUGS 14.25"	151	0D9863	1	ROD, IDLE ADJUSTMENT
98	0C3016C	1	PLATE, BACKING GT990 WITH OIL COOL	152	0D9784	4	NUT, LOCK HEX M3-0.5
99	0E4845	1	ASSEMBLY,BREATHER TUBE GTV	153	0E0486	1	SCREW, SHC M10-1.5 X 75 G10.9
100	082774	1	KEY, WOODRUFF 4 X 19D	154	0E5343	1	NUT, LOCK FL-SERRATED M10-1.5
101	0C3043	2	GASKET, MANIFOLD / PORT	155	092079	8	SCREW, TAPTITE M6-1.0 X 25
102	0C9764	4	PLASTITE,1/4-15 X 3/4	156	0C8566	4	SCREW, HHC M6-1.0 X 20
103	0C3026	1	COOLER, OIL	157	0E5113	1	WASHER NYLON 0.375" I.D.
104	0F6301	4	CLAMP, HOSE OETIKER 16.5mm	158	0D1366	1	BUSHING, GOVERNOR ROD
105	0C9806	2	HOSE, 3/8" I.D. X 6" LONG	159A	022471	1	NUT HEX #8-32
106	035461	2	BARBED STR 1/4NPT X 3/8	159B	022264	1	WASHER LOCK #8-M4
107	070185B	1	FILTER, OIL BLACK 75mm LONG	159C	0F2094	1	SCREW PPHM M3-0.5 X 8 SEMS
108	0C7292	1	NIPPLE, 3/4"-16 UNF	160	036933	1	SCREW, PPHM #10-32 X 3/8"
109	0F0830	1	SWITCH, OIL PRESSURE	161	0D6311	1	BRACKET, THROTTLE
110	0C3019	1	WRAPPER, LOWER CYLINDER 1	162	022152	1	WASHER, LOCK #10
111	0E5153	2	SCREW THTT #10-24 X 3/8"	163	022158	1	NUT, HEX #10-32
112	0C3018	1	WRAPPER, UPPER CYLINDER 1	164	030340R	2	HOSE 1/4" ID X 10" LONG
113	0D3868	1	BRACKET, SUPPORT-GOVERNOR ADJUST	165	0D4026	1	GASKET,ARBX TO SPCR/CARB
114	0E4804	1	HOSE, BLOWER HSG TO BREATHER	166	0E8951	1	CARBURETOR DENI GTV990
115	0E0553	1	ASSY, IDLE SPEED SUPPORT BRACKET	167	0D4023	1	GASKET,MANIFOLD TO CARB
116	0D6342	4	STUD, BALL M3-0.5	168	0E4271	1	STARTER, DELCO REMY SD80
117	0E0552	1	ASSY, GOVERNOR LEVER	169	022145	1	WASHER, FLAT M8
118	0E1150	1	SPRING, GOVERNOR	170	0F5467	1	NUT, HEX M8-1.25 YELLOW ZINC
119	0D9884	1	ASSY, IDLE SPEED ADJUST W/ GROMMET	171	086061G	1	SLEEVING, 1/2" ID X 2" LG
120	0D3876	1	WASHER, FLAT M5	172	029333A	1	TIE WRAP, UL 7.4" X .19" BLK
121	049226	1	WASHER, LOCK M5	173	0C5136	4	KNOB, AIR CLEANER
122	045770	1	SCREW, HHC M5-0.8 X 10	174	022097	4	WASHER, LOCK M6-1/4"
123	0D6257	1	ROD, GOVERNOR	175	0E3146	4	SPACER, ROTATING SCREEN GUARD
124	052857	4	NUT LOCK FLANGE M6-1.0	176	0D7815A	1	GUARD, ROTATING SCREEN
125	0D3959A	1	ADAPTOR,CARB-AIRBOX,M6 BOSSES	177	0D7115	4	SCREW, #10 SHEET METAL
126	048031N	1	HOSE CLAMP, BAND 12mm I.D.	178	0D9684A	1	SCREEN, ROTATING
127	0D9999	1	ASSY, IDLE SPEED ADJUSTMENT ROD	179	0E4046E	1	HOUSING, BLOWER VERTICAL L&G
128	0D6021	4	STUD, METRIC	180	0C9763	4	NUT, GROMMET 1/4 PLUG
129	070008	4	WASHER, FLAT M8	181	0F1155A	1	ASSY, FUSE WIRE W/ RING LUG
130	070006	4	WASHER, LOCK M8	182	0F1150	1	HOUSING CONN PACKARD 56 SERIES
131	049821	4	SCREW, SHC M8-1.25 X 30				





ITEM	PART NO.	QTY.	DESCRIPTION	ITEM	PART NO.	QTY.	DESCRIPTION
AIR CLEANER ASSEMBLY				MUFFLER MOUNTING			
200	0F7642	1	CLEANER, AIR WITH MOUNTING BASE	215	0E3502A	1	SUPPORT, MUFFLER RH
201	0E3557	1	FILTER, AIR PRIMARY	216	0E3502B	1	SUPPORT, MUFFLER LH
202	0E3656	1	FILTER, AIR SAFETY	217	039253	2	SCREW HHC M8-1.25 X 20 G8.8
203	022129	2	WASHER LOCK M8-5/16	218	022145	4	WASHER FLAT 5/16-M8 ZINC
204	0E2990	1	BRKT, AIR CLEANER SUPPORT GTV	219	067989	2	NUT, HEX FL WHIZ M8-1.25
205	0E1644	4	SCREW BHSC M6-1.0 X 12 SS	220	0F0880	1	MUFFLER, RH
206	0E1680	2	CLAMP HOSE #32 1.563-2.500				
207	0E4326	1	HOSE AIR CLEANER GTV				
208	042907	2	SCREW HHC M8-1.25 X 16 G8.8				
209	0D6147	2	SCREW HHFC M6-1.0 X 10 G8.8				
210	022145	2	WASHER FLAT 5/16-M8 ZINC				
212A	0E0136A	1	HOOD, INLET				
212B	0E0136B	1	CLAMP, HOSE				

◆ **CARBURETOR OVERHAUL KIT — P/N TBD**

PART NO.	QTY.	DESCRIPTION
—	1	GASKET, MANIFOLD TO CARB GTH990
—	1	GASKET, ARBX TO SPCR/CARB H990
—	1	"O"RING, FLOAT BOWL DRAIN
—	1	ASSY, NEEDLE VALVE
—	1	SPRING, NEEDLE
—	1	PIN, NEEDLE
—	1	"O"RING, FLOAT BOWL
—	1	GASKET, FLOAT BOWL
—	1	CARB BOWL FLOAT

◆ **CARBURETOR BOWL GASKET KIT — P/N TBD**

PART NO.	QTY.	DESCRIPTION
—	1	"O"RING, FLOAT BOWL DRAIN
—	1	"O"RING, FLOAT BOWL
—	1	GASKET, FLOAT BOWL

◆ **SOLENOID, FUEL SHUT OFF — 0F1932**



◆ OIL RELIEF KIT — 0D40150SRV

PART NO.	QTY.	DESCRIPTION
0C3009	2	SPRING, OIL RELIEF
0C3010	2	BALL, 1/2D OIL RELIEF
0C3011	2	COVER, OIL RELIEF

◆ SUMP KIT ASSEMBLY — 0D94190SRV

PART NO.	QTY.	DESCRIPTION
0C2988	1	THRUST WASHER
0C2991	2	E-RING, GOVERNOR ARM
0C2992	1	BUSHING, GOVERNOR LOWER
0C3009	2	SPRING, OIL RELIEF
0C3010	2	BALL, 1/2D OIL RELIEF
0C3011	2	COVER, OIL RELIEF
0D1667	1	ARM, GOVERNOR
0E9842	1	SEAL CRANKSHAFT PTO SIDE
090388	2	SCREW, HHTT M6-1.0 X 12 ZINC

◆ GASKET KIT — 0E9422AESV

PART NO.	QTY.	DESCRIPTION
0C2977	1	GASKET, C'CASE
0C2978	2	GASKET, CYLINDER HEAD
0C2979	2	GASKET, VALVE COVER
0C2993	1	SEAL, GOVERNOR SHAFT
0C3005	1	GASKET, BREATHER COVER
0C3043	2	GASKET, INTAKE PORT
0C4138	2	GASKET, EXHAUST PORT
0C5943	1	SEAL, OIL PASSAGE
0D4026	1	GASKET, CARB TO SPACER
0D4023	1	GASKET, MANIFOLD TO CARB
0E9842	1	SEAL CRANKSHAFT PTO SIDE
0E9843	1	SEAL CRANKSHAFT FLYWHEEL SIDE
090072	1	O-RING 9/16 X 3/4 X 3/32

◆ BREATHER ASSEMBLY KIT — 0E43550SRV

PART NO.	QTY.	DESCRIPTION
0C3005	1	GASKET, BREATHER COVER
0C5372	1	ASSY, BREATHER
0E3273	1	SCREEN, C'CASE BREATHER
0E3372A	1	SEPARATOR, OIL BREATHER

◆ GOVERNOR KIT ASSEMBLY — 0E27430SRV

PART NO.	QTY.	DESCRIPTION
0A7811	1	SPOOL, GOVERNOR MACHINED
0C2985A	2	BEARING ROLLER GOV TOP
0C2985B	1	BEARING ROLLER GOV W/ROLLERS
0E2743	1	ASSY, GOV GEAR-LIGHT FLYWGT

◆ HEAD ASSEMBLY KIT - CYL #1 — 0D8675ASRV

PART NO.	QTY.	DESCRIPTION
0C2229	1	VALVE, INTAKE
0C2976	6	SCREW, HHFC M8-1.25 X 65
0C2978	1	GASKET, CYLINDER HEAD
0C2979	1	GASKET, VALVE COVER
0C3043	2	GASKET, INTAKE PORT
0C4138	2	GASKET, EXHAUST PORT
0C5371	2	WASHER, VALVE SPRING
0D2274	2	RETAINER, VALVE SPRING
0D3867	2	SPRING, VALVE
0D3998	2	NUT, HEX M8-1.0 G8 YEL CHR
0D5313	2	ROCKER ARM
0D6024	1	PLATE, PUSH ROD GUIDE
0D8067A	1	ASSY, CYL HEAD GUIDES & SEATS CYL 1
0D9853D	2	PUSHROD 147 LENGTH
072694	1	STUD, ROCKER ARM PIVOT
078672	1	SEAL, VALVE STEM D7
086515	2	KEEPER, VALVE SPRING (SET OF 2)
086516	1	VALVE, EXHAUST

◆ HEAD ASSEMBLY KIT - CYL #2 — 0D8675BSRV

PART NO.	QTY.	DESCRIPTION
0C2229	1	VALVE, INTAKE
0C2976	6	SCREW, HHFC M8-1.25 X 65
0C2978	1	GASKET, CYLINDER HEAD
0C2979	1	GASKET, VALVE COVER
0C3043	2	GASKET, INTAKE PORT
0C4138	2	GASKET, EXHAUST PORT
0C5371	2	WASHER, VALVE SPRING
0D2274	2	RETAINER, VALVE SPRING
0D3867	2	SPRING, VALVE
0D3998	2	NUT, HEX M8-1.0 G8 YEL CHR
0D5313	2	ROCKER ARM
0D6024	1	PLATE, PUSH ROD GUIDE
0D8067B	1	ASSY, CYL HEAD GUIDES & SEATS CYL 2
0D9853D	2	PUSHROD 147 LENGTH
072694	1	STUD, ROCKER ARM PIVOT
086515	2	KEEPER, VALVE SPRING (SET OF 2)
086516	1	VALVE, EXHAUST

◆ PISTON KIT — 0E29500SRV

PART NO.	QTY.	DESCRIPTION
0E1466	2	PIN, PISTON 20 DIA X 48
0E2950	2	PISTON, 8.5:1 90MM DIA LOW COMPR
021533A	2	RING, PISTON TOP 90MM
021533B	2	RING, PISTON 2ND 90MM
021533C	4	RING, OIL RAIL 90MM
021533D	2	RING, OIL SPACER 90MM
071983	4	RETAINER, PISTON PIN 20